DataGuard rf™

TAPE TRACKING SYSTEM

confidence, reliability and control

where's that cartridge

That's the question that keeps data center managers up at night. You have thousands of tapes to track and manage; many of them on the move. Your off-site storage provider may be in and out of your location two or three times a day.

It's not just the personal embarrassment that comes with misfiled or lost tapes. It's the waste of resources and financial liability incurred when data is lost that reflects negatively on you and your company.

Even if you're good at what you do — and data center managers have to be good — there are times you feel like you're losing control. We're changing that for you.

Imation's new DataGuard rf™ Tape Tracking System is a design and engineering breakthrough that puts the range, reliability and accuracy of RFID (radio frequency identification) into your data center.

the CFO has to have?

Would you like to send data from your inventory into your existing tape management system (TMS) more frequently, with 100% accuracy?

beyond the bar codes – times 20

That's the difference this RFID technology makes.

- Bar codes have to be scanned individually and at close range, taking 1 to 2 seconds per tape.

- With the DataGuard rf tape tracking system, you can scan up to 20 tapes at once, in less than two seconds.

RFID inventory tracking is a proven commodity. Many of the most successful companies in the world, including global retail and warehouse operations, airlines and other leaders, have been using it for years.

know where every tape is, all the time

With the DataGuard rf system you'll:

- **Reduce your risk of lost and misfiled tapes.** You can account for the inventory location of cartridges wherever they are: in your data center, in transit or at an off-site vault facility.

- **Improve your efficiency and reliability.** Not only can you scan faster, you avoid the mistakes that come with bar code technology. You get 100% accuracy and automatic watchlist notifications for misfiled tapes.

- **Take inventory more often.** Knowing exactly what's in your library is no longer the impossible dream. You can inventory more often and do it by investing a fraction of the time and fewer resources than it takes now.

the breakthrough: integrated RFID/Volser labels

The proven technology that provides inventory control for many of the world's most successful companies is now ready for the data center. In one robust label (patent pending in the U.S. and other countries), Imation has combined:

• **Radio Frequency Identification (RFID) technology** – an integrated circuit with a passive RFID chip and a custom-designed antenna for extended range.

• **Volume-and-serial-number (Volser) identification** – like the tri-optic system you're used to working with, it combines bar code, color and serial number for limitless flexibility.

• **Advanced ultra high frequency (UHF) technology** – advanced UHF Gen 2 technology for increased range and 100% accuracy.

The built-in antenna extends read ranges up to 6 feet for a single cartridge and up to 2 feet for a 20-cartridge transport case. That's significantly farther than standard, off-the-shelf tags. The custom-designed antenna also increases accuracy since each label is tuned to be read both straight on and at angles of up to 45 degrees. No double or triple passes are needed.

Imation's engineering experts developed an environment where the RFID chip is cushioned, ensuring longer life and consistent peak performance. In addition, Imation's one-step labeling process limits handling, increasing reliability by reducing read failure potential. The proprietary Imation AquaGuard™ surface coating provides superior label protection and smudge-resistant durability.

dual-functioning handheld reader lets you begin now

The DataGuard rf handheld reader has the ability to read both our new RFID-integrated labels as well as traditional tape cartridge bar code labels. This feature allows you to immediately begin transitioning your library to the more efficient RFID technology as you purchase new media without the hassle of a complete conversion or multiple readers. The handheld is a fully tested Motorola 9090G. This well-known, reliable technology is the ideal instrument for performing library audits and recording tape cartridge daily movements to and from your data center or off-site storage facility.

the easiest, most accurate RFID tape tracking system

open-interface Imation software syncs with your existing TMS

The approved DataGuard rf handheld reader comes pre-loaded with proprietary Imation software that syncs with your current tape management system, no matter what platform you're using. Whether you have VaultLedger®, Vertices®, SecureSync™, RQMM, Webscan or another system, the DataGuard rf system will work with your current system. So you won't have to change a thing.

it's designed to meet your most important needs

You won't find this Imation software anywhere else. It's custom designed to alert you to misfiled tapes and to recognize corrupt Volser data while ignoring extraneous tags. It gives you multiple options for initializing tags and entering data. Fully tested and approved, it enables you to:

• Do quick, efficient cartridge scans. Check tapes in and out fast and do full audits more often.

• Compare cartridges to ship/receive lists for discrepancies.

• Work with your current tape management system.

• Export scanned data directly to your system via docking station or wireless.

• Program easily with multiple features to fit your scanning needs.

• Get optimal performance (maximum read range, 100% accuracy and total reliability) with the approved reader and Imation tags.

The inserts are easy to replace and relatively inexpensive for the heavy-duty protection they give you.

DataGuard™ cases and liners – lifelong storage and transport protection

When you're moving terabyte-capacity cartridges filled with irreplaceable information, you've got to protect them. That's what rugged DataGuard transport cases do. They provide:

• Two to four times the shock protection of other transport methods.

• Insert material that won't shed, reducing debris potential.

• Airtight seals that prevent contamination from external sources.

• Terabyte-class protection.

• Durability that will virtually last a lifetime.

The slotted, cushioned inserts are designed to absorb significant G-forces. They're interchangeable: one universal top insert and three optional bottom inserts, so you can easily switch them depending on the type of cartridges you're transporting (LTO, DLT, 3590, 3592, 9x40 or T10000 cartridges).

close the loop with full-circle tape tracking

With our transport cases, you can scan up to 20 tapes at once in less than 2 seconds, so you know exactly what's coming and going without even opening the case. In addition, each case is shipped with an embedded RFID tag to enable parent-child relationships between cases and cartridges.

RFID technology in your data center — now

Because DataGuard rf reads both bar codes and RFID, you can begin now and convert your library to high-efficiency RFID tracking at a pace that's right for you. RFID technology pays back every penny in efficiency and control. The sooner you begin, the more control you have.

file away the fears of misfiled tapes. talk to Imation now

To learn how the DataGuard rf tape tracking system can increase the reliability and efficiency of tape tracking, inventory and management in your data center, contact your Imation sales representative or visit www.imation.com/dataguardrf today.

DataGuard rf system ordering information

DATAGUARD INTEGRATED RFID VOLSER LABELS

UPC	Description	Unit
051122266751	DataGuard rf Integrated RFID labels – LTO, T10000	20 / Sheet
051122266775	DataGuard rf Integrated RFID labels – 3XXX, 9XXX	20 / Sheet
051122266768	DataGuard rf Integrated RFID labels – 3592	20 / Sheet

DATAGUARD RF HANDHELD READER SOFTWARE

UPC	Description
051122272127	Motorola 9090G Handheld Reader (Includes pre-loaded proprietary Imation software)
051122272035	DataGuard rf Handheld Reader Software License
051122272011	DataGuard rf Handheld Reader Yearly Maintenance

DATAGUARD TRANSPORT AND STORAGE CASES

UPC	Description	Size (L x W x H)	Weight	Unit
051122265532	DataGuard Transport and Storage Case with LTO Insert	15.75" x 7.75" x 19.875"	8.96 lbs	1
051122269417	DataGuard Transport and Storage Case with LTO Polybox Insert	15.75" x 7.75" x 19.875"	8.96 lbs	1
051122265525	DataGuard Transport and Storage Case with Enterprise/DLT/SDLT Insert	15.75" x 7.75" x 19.875"	8.96 lbs	1
051122269646	DataGuard Transport and Storage Case Universal Cover Inserts	13.25" x 3.25"x 19.0"	.87 lbs	3-pack
051122265556	DataGuard Transport and Storage Case LTO Base Inserts	15.375" x 15.375" x 18.5"	4.44 lbs	3-pack
051122268908	DataGuard Transport and Storage Case LTO Polybox Base Inserts	15.375" x 15.375" x 18.5"	4.44 lbs	3-pack
051122265563	DataGuard Transport and Storage Case Enterprise/DLT/SDLT Base Inserts	15.375" x 15.375" x 18.5"	4.44 lbs	3-pack

for more information

To learn how the DataGuard rf Tape Tracking System can increase the reliability and efficiency of tape tracking, inventory and overall tape management in your data center, contact your Imation sales representative or visit www.imation.com/dataguardrf.

To view our complete line of removable data storage products, visit Imation's website at www.imation.com.